Positional Number Systems

*Activity to Use with Middle or High School Students*

**Instructions:** In front of you, you will find a collection of items. Develop a system that will allow you to determine what this collection of items will be in base 2.

Here’s a chart to record your data:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **26** | **25** | **24** | **23** | **22** | **21** | **20** |
|  |  |  |  |  |  |  |

**Write your developed step-by-step system here:**